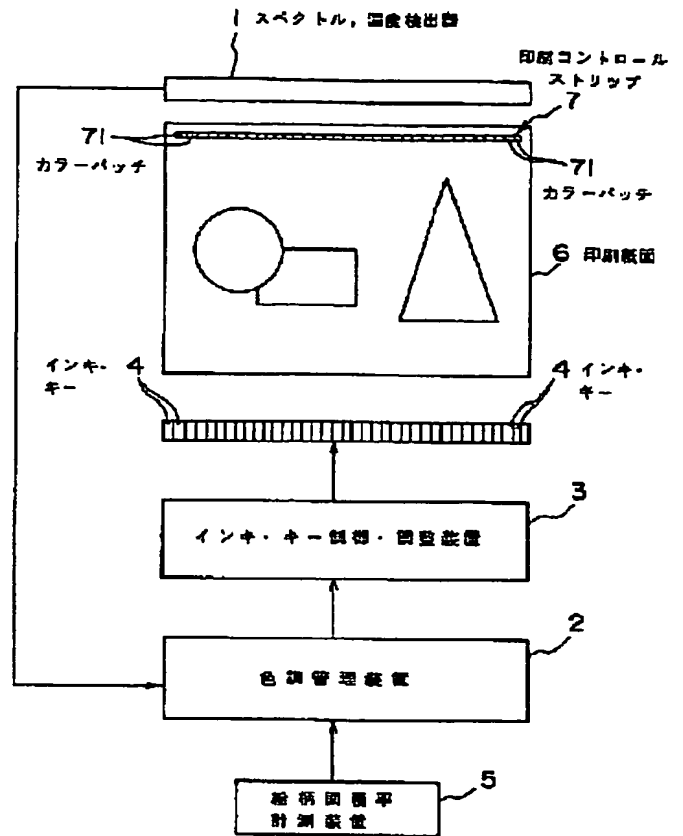


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APPLICANT : MITSUBISHI HEAVY IND LTD;
INVENTOR : OZAKI IKUO;
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TITLE : COLOR TONE CONTROL SYSTEM



ABSTRACT : PROBLEM TO BE SOLVED: To control and adjust the ink amount with high accuracy and eliminate the limit of the number of color patches contained in a color pattern of given width.

SOLUTION: The spectral values or the density values measured by a density sensor 1 from respective color patches 11 formed on a printing control strip 7 on a printing paper 6 are corrected by a color tone control device 2 based on the pattern area rate on ink key 4 sections corresponding to the color patches 1 to obtain the corrected values. Also on the ink key 4 sections of lacking the color patches 71, the ink key sections of pattern area rate are retrieved, and the corrected values of corresponding color patches 71 on the retrieved sections are used as the corrected values of lacking color patches 71 by the color tone control device 2. The ink amount is controlled and adjusted by using an ink key control and adjustment device 3 and varying the opening degree of the corresponding ink keys 4 based on the corrected value obtained by the color tone control device 2.

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